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December 10, 2003

Mr. Nabil S. Fayoumi
U. S. EPA - Region 5
77 West Jackson Boulevard (SR-6J)
Chicago, Illinois 60604-3590

**Re: Sauget Area 2 Site – October 3, 2002 Unilateral Administrative Order
(UAO) Groundwater Operable Unit
13 - Monthly Report; November 1 – November 30, 2003 Reporting Period**

Dear Mr. Fayoumi,

Attached is the Monthly Report for the Sauget Area 2 Site October 3, 2002 Unilateral Administrative Order (UAO) - Groundwater Operable Unit. This submittal is in fulfillment of the monthly reporting requirements of the UAO, Section XII, paragraph 62, Progress Reports. This report is for the November 1 – November 30 reporting period.

Sincerely,
Solutia Inc.

A handwritten signature in cursive script, appearing to read "Gary Vandiver".

Gary Vandiver
Project Coordinator
Solutia Inc.

cc: Bardo, Ken - U. S. EPA
Sandra Bron – IEPA
Richard Williams – Solutia
Cathleen Bumb – Solutia
Mayor Frank Bergman – Cahokia
Village of Sauget – c/o P. H. Weis & Associates (Attn: Brian Nelson)
Mayor P. Sauget - Sauget, IL
Mike Coffey - U. S. Fish & Wildlife Service
Linda Tape – Husch & Eppenberger

Sauget Area 2 Site - Sauget, Illinois

October 3, 2002 UAO – Groundwater Operable Unit

Monthly Report

Date of Report: December 10, 2003
Period Covered: November 1, 2003 - November 30, 2003

Agency Actions / Communications

In an e-mail message dated June 19, 2003, U. S. EPA requested the submission of revised versions of the Focused Feasibility Study, the Remedial Design Work Plan, and the Pre-Final (95%) Remedial Design. The revisions were required to allow the use of a slurry wall rather than jet grouting for construction of the barrier wall. The revised documents were submitted on July 3, 2003. The ESD was issued by US EPA on July 30, 2003. The Final Design Submittals were approved by EPA on October 16, 2003.

Work Performed During the Reporting Period

Slurry Wall

- Total excavation through November = 162,718 sq ft.
- Total backfill placed through November = 33,665 sq ft.

The excavation continued toward the south to approximately station 13+30. The trench profile is attached.

At the end of the month, agreement was reached with the Village of Sauget to grout and cut the box culvert. Grouting is scheduled to begin on December 1 or 2 as soon as a signed copy of the agreement is delivered to the Village.

Groundwater Treatment

The Sauget Area 2 Groundwater Migration Control System pumped at a variable rate in November based on river level.

Effluent pumping data for each well is attached. The river level is quite variable and therefore the pumping rates are variable. The control system will be optimized to reduce variability of pumping rates as much as possible while still maintaining gradient control.

The pumps were shutdown for about 24 hours on November 18 at the request of American Bottoms following heavy rains of 4"-5" overnight. Rainwater contained on the site was pumped to the modutanks and then pumped to American Bottoms.

Schedule

Inquip is falling further behind schedule. There has not been much increase in productivity. They are achieving less than 30 feet per day while the schedule is based on 40 feet per day. The major causes of delay have been rocks and boulders, equipment break downs and rain. The night shift was started on November 24.

Digging through the boulders is extremely slow because they must be broken up in order to be removed from the trench. In addition to being a slow process the rock also causes teeth to break on the clamshell buckets which require time to repair. One of the clamshells was damaged so severely digging boulders that it will require more than a week repair and was out of service at month's end.. This type of maintenance and repair is beyond Inquip's experience for this equipment. In addition, the trackhoe was out of service for a week requiring an engine replacement.

Submittals in November

- The slurry wall utility location map was submitted on November 10.
- The revised specification "SECTION 02222, HYDRAULIC BARRIER" was submitted on November 12.
- Revised drawings of the Stormwater system including flocculation were submitted on November 14.
- Ranney Well IDW Analysis Summary was submitted on November 14.
- The "GROUNDWATER MIGRATION CONTROL SYSTEM, SAUGET AREA 2 SUPERFUND SITE, Volume 4, Contingency Plan" was resubmitted on November 14, based on concerns expressed regarding contingency plans for excavating the south leg of the slurry wall.

Work scheduled for next reporting period

Continue trenching activities for the slurry wall.

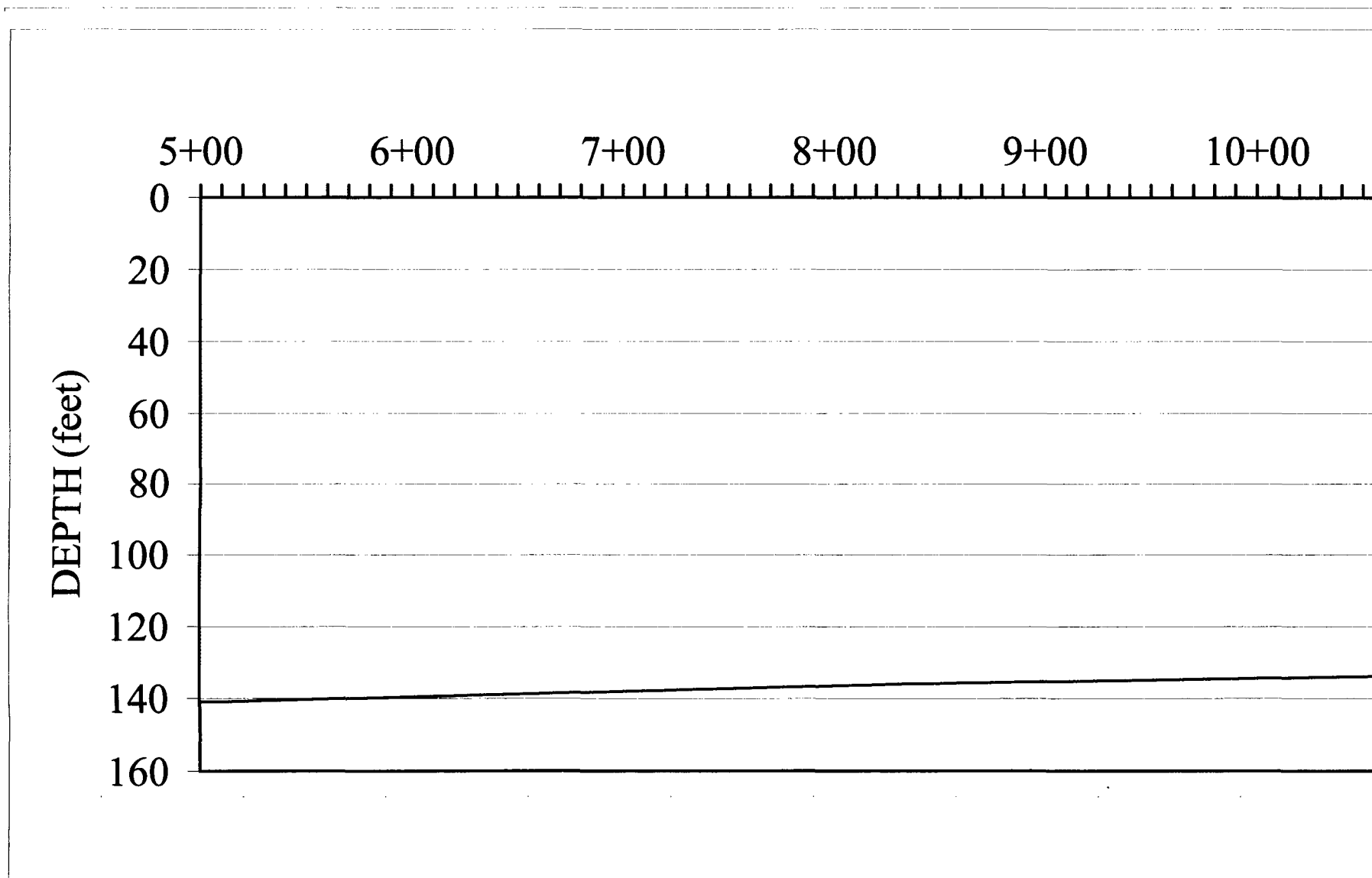
Grout box culvert and remove section for slurry wall.

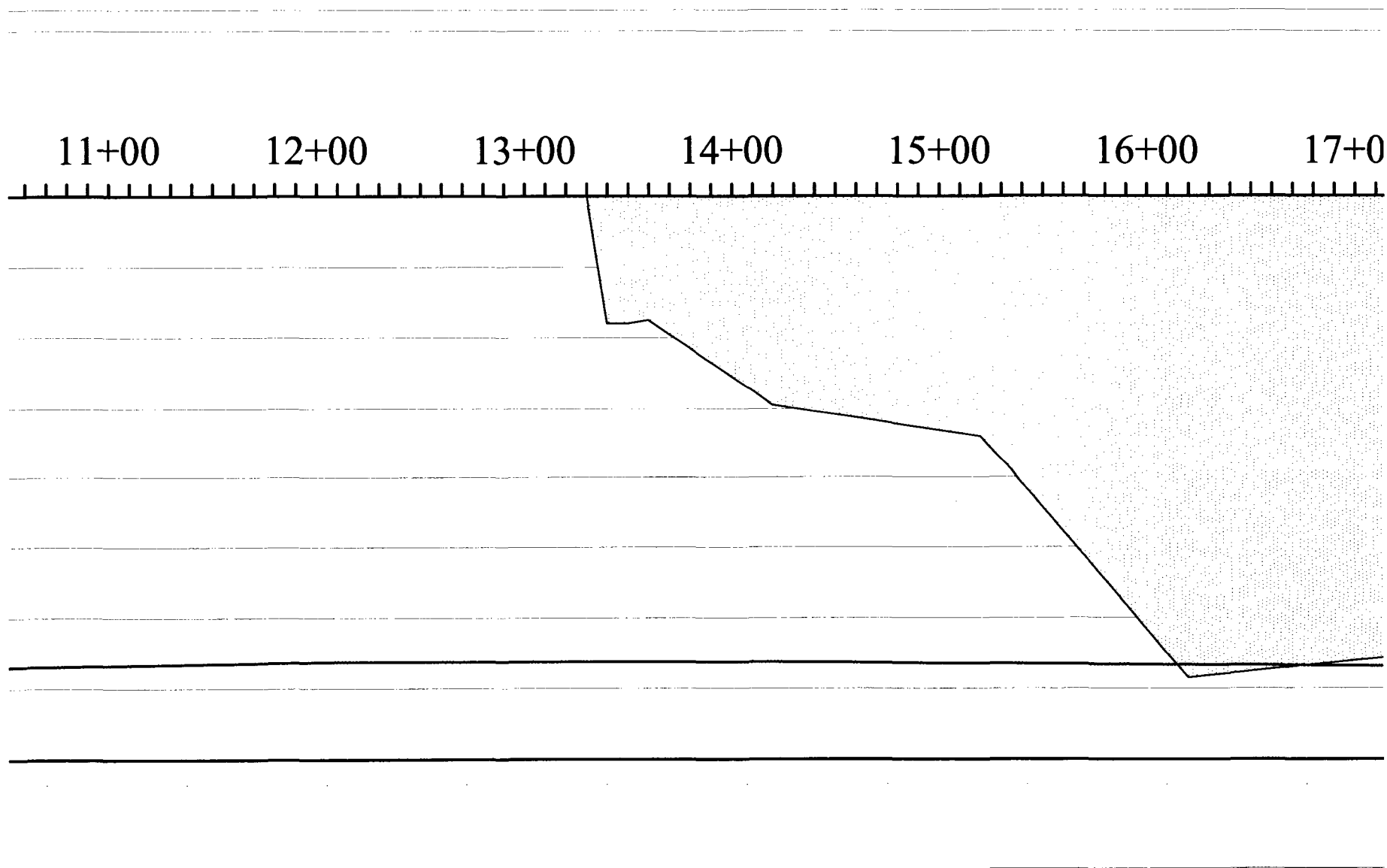
Continue pumping and treating groundwater per the lookup table based on river level.

BCC: (via e-mail only)

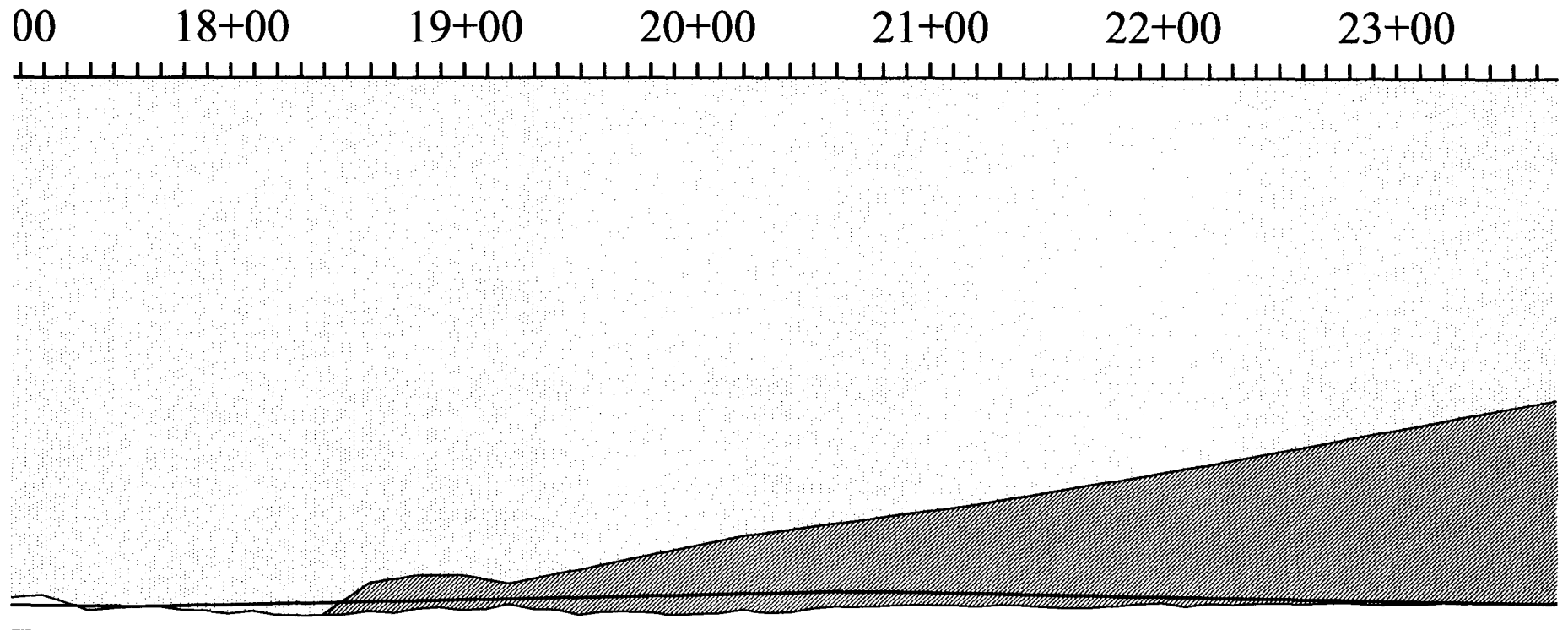
C. Bumb
B. Yare - 1S
L. Tape – Husch & Eppenberger, LLC
J. Lebold – 1740
M. Peal
S. Wendler - 3S
D. Ridenhower - 1740
A. Faust - 3N
R. Williams – Williams & Associates

SLURRY WALL PROFILE

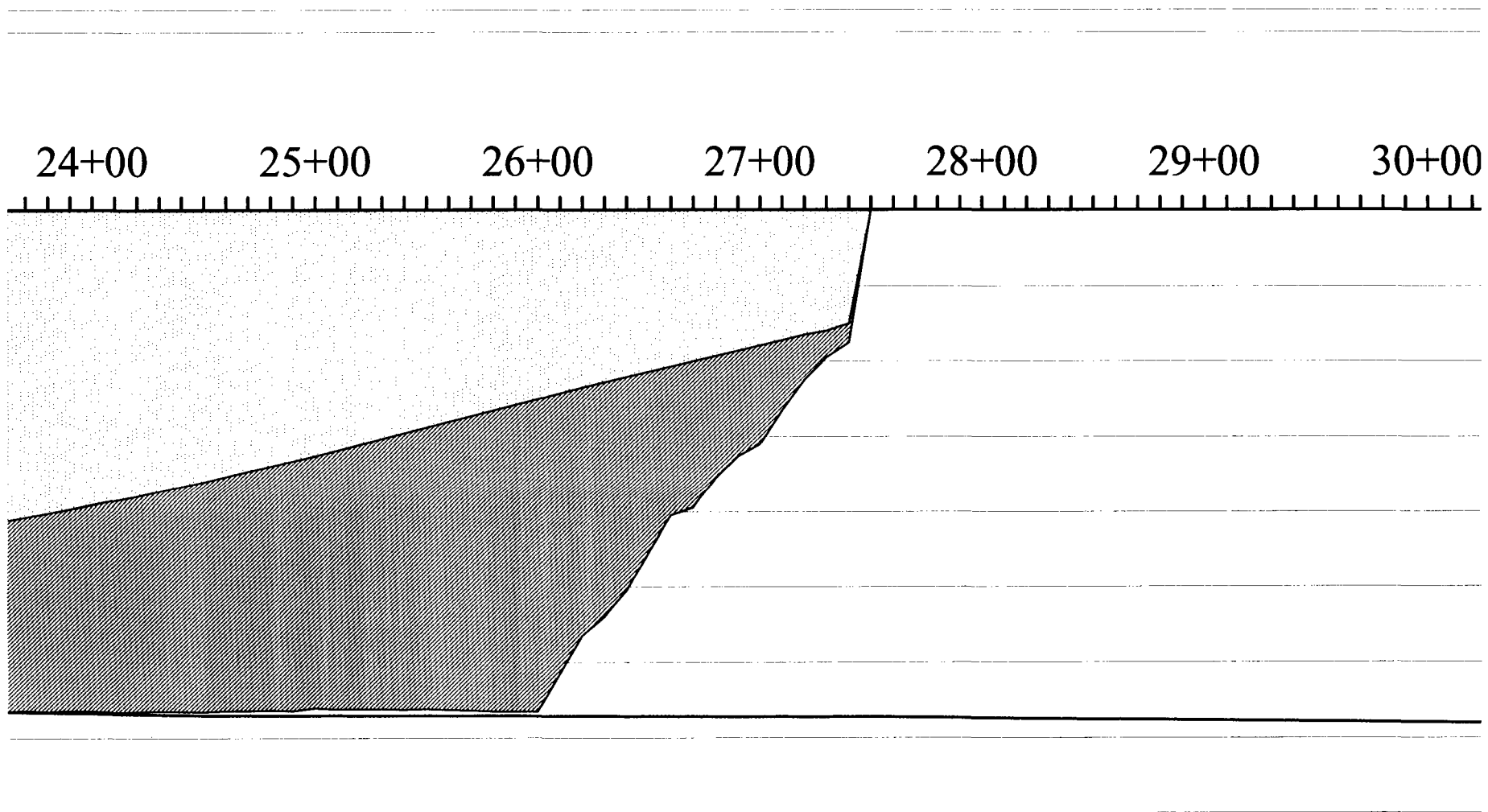




SURVEY STATIONS

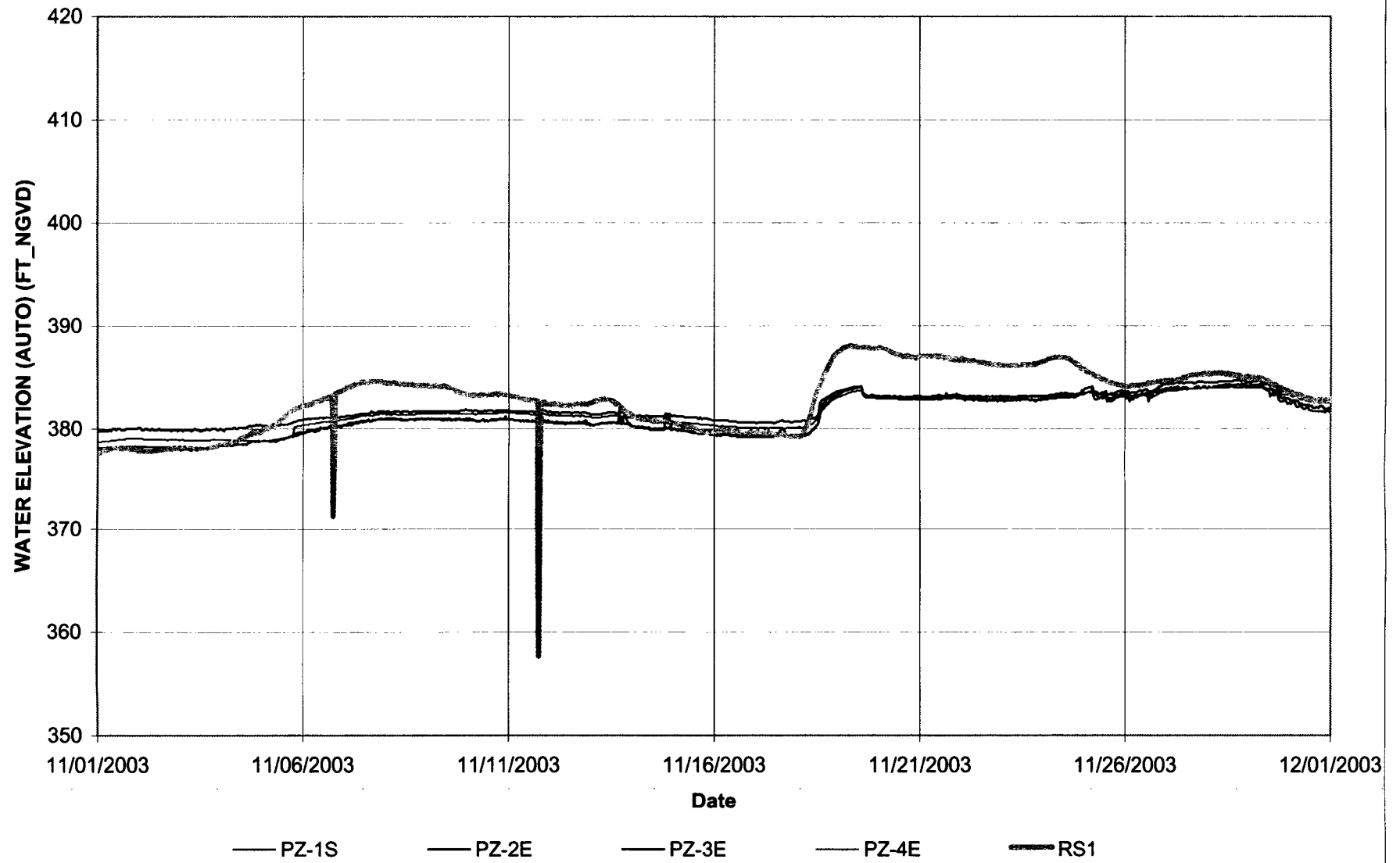


■ Backfill Area □ Excavation Area □ Est. Bedrock Elevation

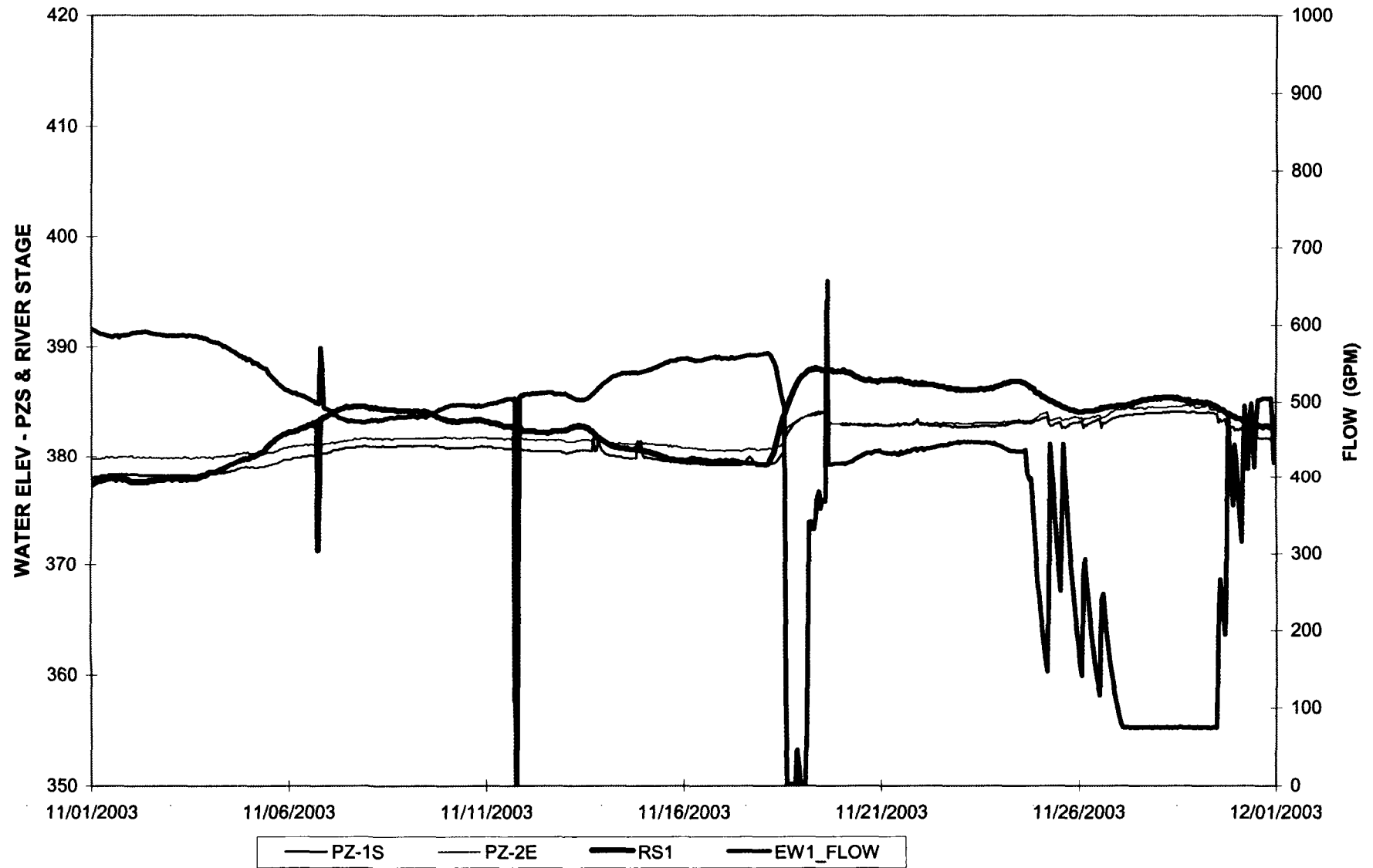


PUMPING RATES AND PIEZOMETER LEVELS

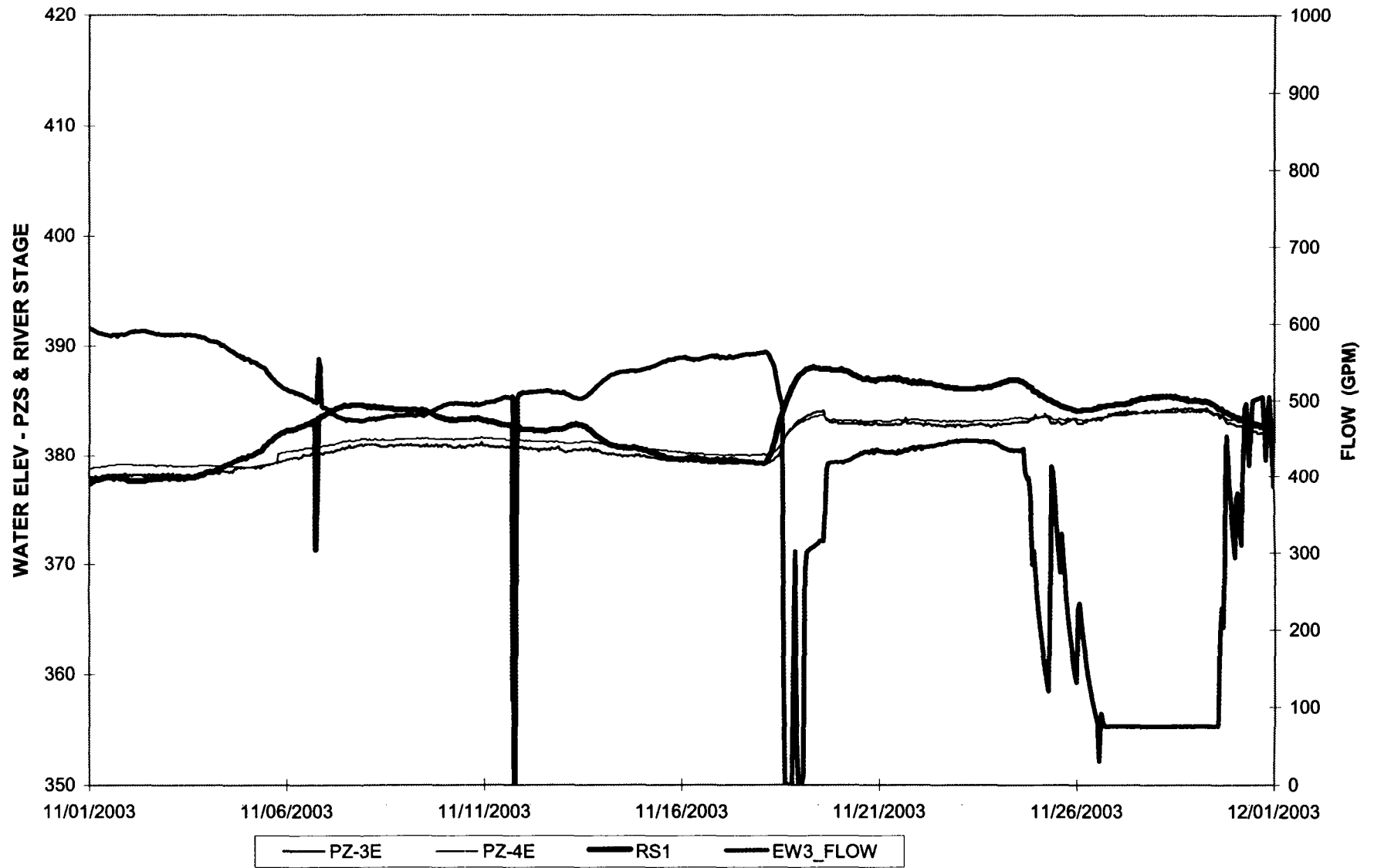
Water Elevations



EW1 WATER ELEVATION AND FLOW



EW3 WATER ELEVATION AND FLOW



EW2 WATER ELEVATION AND FLOW

